

ABSTRACT

A tile lighting system is provided in which an interior space of a tile is lit by LEDs, such as in a grid or edge-lit formation, and a light diffusing panel is disposed over the interior space. The tile lighting system can be combined with others to tile any surface, such as a floor, ceiling, wall, or building exterior. Lighting control signals can be supplied to generate a wide range of effects on the tile lighting units, including effects coordinated among different tile lighting units. Two- and three-dimensional embodiments are contemplated.